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OILS, FAT AND C

Candles.

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A.D. 1893

Date of Application, 6th Feb., 1893—Accepted, 11th Mar., 1893

## COMPLETE SPECIFICATION.

A Composition suitable for use in the Manufacture of Candles,  
Night Lights, and the like.

I, TIMOTHY SMITH KISSAM HAWKHURST, of 58 Front Street, in the City of New York, County of New York, and State of New York, one of the United States of America, Gentleman, do hereby declare the nature of this invention and in what manner the same is to be performed, to be particularly described and ascertained in and by the following statement:—

The object of my invention is to provide an illuminant which will be in liquid form when the lamp is in use, and which will immediately solidify when the lamp is extinguished.

My composition consists of the following ingredients, combined by measure in the proportions stated, viz.:

15	Fire test oil of 150° -	-	-	one part.
	Fire test oil of 300° -	-	-	one part.
	Alkanet root	-	-	in sufficient quantity to color.
	Bleached sperm oil	-	-	one part.
	Paraffine wax	-	-	one and one-half part.

In manufacturing the above-named illuminant, the 150° and the 300° fire test oil are first put into a steam jacketed kettle together, and heated to 150° Fahrenheit. The alkanet root is then added coloring the entire mass a deep red. The alkanet root, as is obvious, may be added to the contents of the kettle either prior to or after the heating of the oils, as is desired, without departing from the spirit of the invention. The entire composition is then passed through a fine strainer, and the wax, which has previously been melted, is added to the mixture, with the bleached sperm oil, and the entire mass thoroughly mixed. The whole is then allowed to cool to 135° when it is poured into cans for shipment, which are gradually cooled to a normal temperature, forming a solid.

By this means a solid wax-like compound is formed which melts when the lamp is burning and hardens when the light is put out and the lamp cools, and which cannot possibly leak or be spilled from the lamp. This is a very desirable feature, particularly for use in lamps for bicycles or other vehicles, which are being continually jarred and jolted.

Another desirable feature of the compound is that it is the only composition which may be used with the ordinary wick and burner.

Having now particularly described and ascertained the nature of my said invention, and in what manner the same is to be performed, I declare that what I claim is:—

1. The herein-described composition of matter to be used as an illuminant, consisting of paraffine wax, bleached sperm oil, 150° fire test oil and 300° fire test oil, in the proportions specified.

2. The herein-described composition of matter to be used as an illuminant, consisting of paraffine wax, bleached sperm oil, alkanet root, 150° fire test oil and 300° fire test oil, in the proportions specified.

Dated 6th day of February 1893.

S. S. BROMHEAD,  
97, Newgate Street, Agent for Applicant.

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